

Converting Colors

$Y_{xy}(10.0157, 0.4503, 0.4215)$

Have a look what the booklet for
Yxy(10.0157, 0.4503, 0.4215)
contains.

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Color

Yxy(10.0958, 0.4498, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	755324
RGB	117, 83, 36
RGB Percent	46%, 33%, 14%
CMY	0.5412, 0.6745, 0.8588
CMYK	0.00, 0.29, 0.69, 0.54
HSL	35°, 53%, 30%
HSV	35°, 69%, 46%
XYZ	10.7481, 10.0958, 3.0514
YIQ	87.8080, 35.3510, -7.4090

Conversions

Conversions Part 2

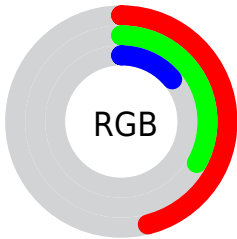
Format	Color
RYB	95, 117, 36
Decimal	7688996
CIELab	38.01, 8.97, 32.38
CIELCh	38, 33.597, 74.515
Yxy	10.0958, 0.4498, 0.4225
Android (android.graphics.Color)	4285879076 (0xFF755324)
YUV	87.8080, -25.5413, 25.6014
Hunter-Lab	31.7739, 4.7768, 16.5477

Details

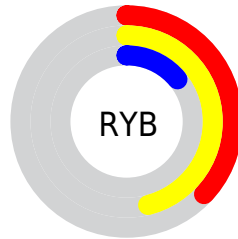
The Yxy color **10.0958, 0.4498, 0.4225** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.0404, 0.2054, 0.2024**, and the grayscale version is **9.7662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8977, 0.4160, 0.4016**, and **2.5445, 0.5051, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **9.3110, 0.4720, 0.4294**, and if you desaturate by 10%, it is **10.9583, 0.4268, 0.4122**.

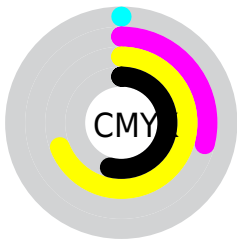
Distribution



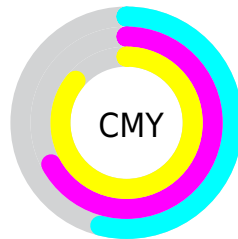
- Red (46%)
- Green (33%)
- Blue (14%)



- Red (37%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (29%)
- Yellow (69%)
- Black (54%)





- Cyan (54%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0958, 0.4498, 0.4225 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.0958, 0.4498, 0.4225 by changing the saturation by 10% instead.


 10.0958, 0.4498,
0.4225


 10.0958, 0.4498,
0.4225

191.3544, 0.3664,
0.3692


 5.4625, 0.4753,
0.4354

 25.9755, 0.4156,
0.4023


 2.5211, 0.5318,
0.4682

 37.9908, 0.4039,
0.3949


 0.8872, 0.5495,
0.4505

 53.2355, 0.3945,
0.3887

 0.0000, 1.0000,
0.0000

 72.0940, 0.3868,
0.3835

 0.0000, 0.0000,
0.0000

 94.9508, 0.3804,
0.3791

 122.1902, 0.3750,

0.3753

154.1966, 0.3704,
0.3721

10.0958, 0.4498,
0.4225

10.0958, 0.4498,
0.4225

9.3110, 0.4720,
0.4294

10.9583, 0.4268,
0.4122

8.5988, 0.4923,
0.4319

11.9000, 0.4040,
0.3995

7.9508, 0.5111,
0.4312

12.9244, 0.3822,
0.3853

7.9029, 0.5127,
0.4311

14.0341, 0.3619,
0.3706

15.2317, 0.3433,
0.3559

■ 16.5194, 0.3266,
0.3416

■ 17.8996, 0.3116,
0.3280

■ 19.3744, 0.2983,
0.3152

■ 20.9459, 0.2865,
0.3034

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.0958, 0.4672, 0.3664



10.0958, 0.4498, 0.4225



10.0958, 0.3956, 0.4649

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.0958, 0.4498, 0.4225



10.0958, 0.2006, 0.3315



10.0958, 0.2863, 0.2256

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.0958, 0.4498, 0.4225



6.0404, 0.2054, 0.2024

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.0958, 0.2235, 0.2113



10.0958, 0.4498, 0.4225



10.0958, 0.1793, 0.2612

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.0958, 0.4498, 0.4225



10.0958, 0.2517, 0.4149



10.0958, 0.1873, 0.2217



10.0958, 0.3659, 0.2605

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.0958, 0.4498, 0.4225



10.0958, 0.3481, 0.4731



10.0958, 0.1873, 0.2217



10.0958, 0.2627, 0.2183

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.0963, 0.4498, 0.4225



26.7637, 0.3475, 0.3592



5.5003, 0.4303, 0.2598



6.0478, 0.3513, 0.3624



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.0963, 0.4498, 0.4225



15.9026, 0.4843, 0.4314



16.2694, 0.3951, 0.4829



4.0208, 0.3263, 0.3413



8.6759, 0.5132, 0.4307



40.5564, 0.5196, 0.4256

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.0404, 0.2054, 0.2024



8.1574, 0.1859, 0.1686



3.0261, 0.1912, 0.1212



3.8191, 0.2995, 0.3164



3.8160, 0.1718, 0.1383



16.9786, 0.1692, 0.1289

Previews

White Background



This preview shows how the Yxy color 10.0958, 0.4498, 0.4225 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.0958, 0.4498, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0958, 0.4498, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 10.0958, 0.4498, 0.4225.



This preview shows how white text looks on a background with the Yxy color 10.0958, 0.4498, 0.4225.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.0958, 0.4498, 0.4225

Protanopia

10.1616, 0.4075, 0.4471

Deuteranopia

10.0631, 0.4394, 0.4321



Tritanopia

10.0819, 0.3790, 0.3165

Trichromacy



Original Color

10.0958, 0.4498, 0.4225

Protanomaly

10.0141, 0.4235, 0.4378

Deuteranomaly

10.0394, 0.4444, 0.4285

Tritanomaly

10.0645, 0.4074, 0.3569

Monochromacy



Original Color

10.0958, 0.4498, 0.4225

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.7379, 0.3631, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0958, 0.4498, 0.4225 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 83, 36)` looks like.

```
.text, #text, p{  
    color:rgb(117, 83, 36)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 83, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 83, 36) }
```

Border

The CSS property to change the border of an element to Yxy 10.0958, 0.4498, 0.4225 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 83, 36) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 83, 36) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 83, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 83, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 83, 36);  
box-shadow:4px 4px 4px 4px rgb(117, 83,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0958, 0.4498, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 83, 36) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117, 83,  
36) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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